



MSDS

Material Safety Data Sheet

DATE PREPARED: 1/30/13

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SECTION I - IDENTIFICATION

TRADE NAME: GARONITE™ HD

PRODUCT CLASS:

PRODUCT CODE: 37402

DESCRIPTION: QUICK-SET NON-SHRINK GROUT

HAZARD RATING		
0 = Least	Health	1
1 = Slight	Flammability	0
2 = Moderate	Reactivity	0
3 = High	Personal	E
4 = Extreme	Protection	

HAZARDOUS COMPONENTS / CAS #	OSHA PEL	ACGIH TLV	OSHA STEL	WT %
Silica, Crystalline Quartz CAS# 14808-60-7	$10\text{mg}/\text{m}^3$ Respirable Respirable % Silica +2 $30\text{mg}/\text{m}^3$ Total Respirable % Silica +2	$0.1\text{mg}/\text{m}^3$ Respirable		60

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	NA	Specific Gravity ($\text{H}_2\text{O}=1$):	2.90
Vapor Pressure (mm Hg):	NA	Melting Point:	NA
Vapor Density (Air=1):	NA	Evaporation Rate (Butyl Acetate=1):	NA
Solubility in Water:	Insoluble		
Appearance & Odor:	Fine powder and granular material, gray color, no odor.		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point:	Non-flammable, non-combustible or explosive		Method Used:	
Flammable Limits in Air by Volume:	UPPER:	None	LOWER:	None
Extinguishing Media:	None			
Special Firefighting Procedures:	None			
Unusual Fire and Explosion Hazards:	None			

SECTION V - REACTIVITY DATA

Stability	Stable
Conditions to Avoid	None
Incompatibility (Materials to avoid)	None
Hazardous Decomposition or By-Products	None
Hazardous Polymerization	Will not occur.

SECTION VI - HEALTH HAZARD DATA A. Health risks and symptoms of exposure

Inhalation	Dust can irritate upper respiratory system.
Skin Contact	Material can dry the skin and cause alkali burns.
Eye Contact	Dust can irritate the eyes.
Ingestion	

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B. Health Hazards (Acute & Chronic): ACUTE: Acute or rapidly developing silicosis may occur in a short period of time in heavy exposure in certain occupations such as sandblasters. Silicosis is a form of disabling pulmonary fibrosis which can be progressive and may lead to death. CHRONIC: Prolonged exposure to respirable crystalline quartz may cause delayed (chronic) lung injury (silicosis).

Carcinogenicity	OSHA Regulated: NO	NTP: YES	IARC Monographs: YES
IARC has determined that crystalline silica inhaled in the form of quartz is carcinogenic to humans (group 1- carcinogenic to humans). The NTP classifies respirable crystalline silica as reasonably anticipated to be a carcinogen.			
Medical Conditions Generally Aggravated by Exposure:	Pulmonary function may be reduced by inhalation of respirable crystalline silica.		
Signs & Symptoms of Exposure:	Material can dry the skin and cause alkali burns. Dust can irritate the eyes and upper respiratory system.		

C. Emergency & First Aid Procedures

Eyes	Wash immediately with water. If irritation persists, seek medical attention.
Skin	Wash exposed areas with soap and water.
Inhalation	For gross inhalation remove person to fresh air, give artificial respiration as needed, and seek medical attention as needed.
Ingestion	

SECTION VII - SAFE HANDLING & USE INFORMATION

Steps to be taken in case material is released or spilled	Clean up immediately. Can be salvaged for use if not contaminated.
Waste Disposal Method	Dispose of material in a waste disposal site in accordance with local, state and federal laws.
Precautions to be taken in Handling and Storing	Avoid excessive contact with skin.
Other Precautions	Dustless method, (vacuum) preferable for cleanup.

SECTION VIII - CONTROL MEASURES/PROTECTION INFORMATION

Respiratory Protection	NIOSH approved respirator is recommended.
Ventilation	Local exhaust needed in dusty conditions.
Protective Gloves	Recommended
Eye Protection	Recommended
Other Protective Clothing or Equipment	Boots when placing material.
Work / Hygienic Practices	Observe general good hygienic practices.

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